

**FIG. 1**  
(Prior Art)

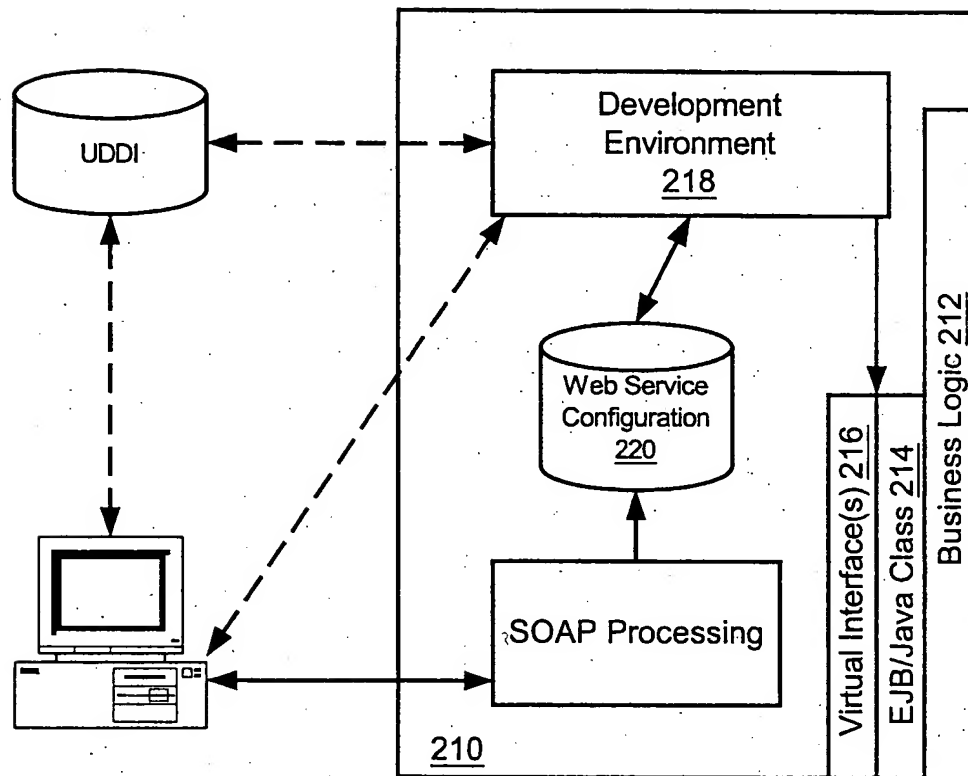


FIG. 2

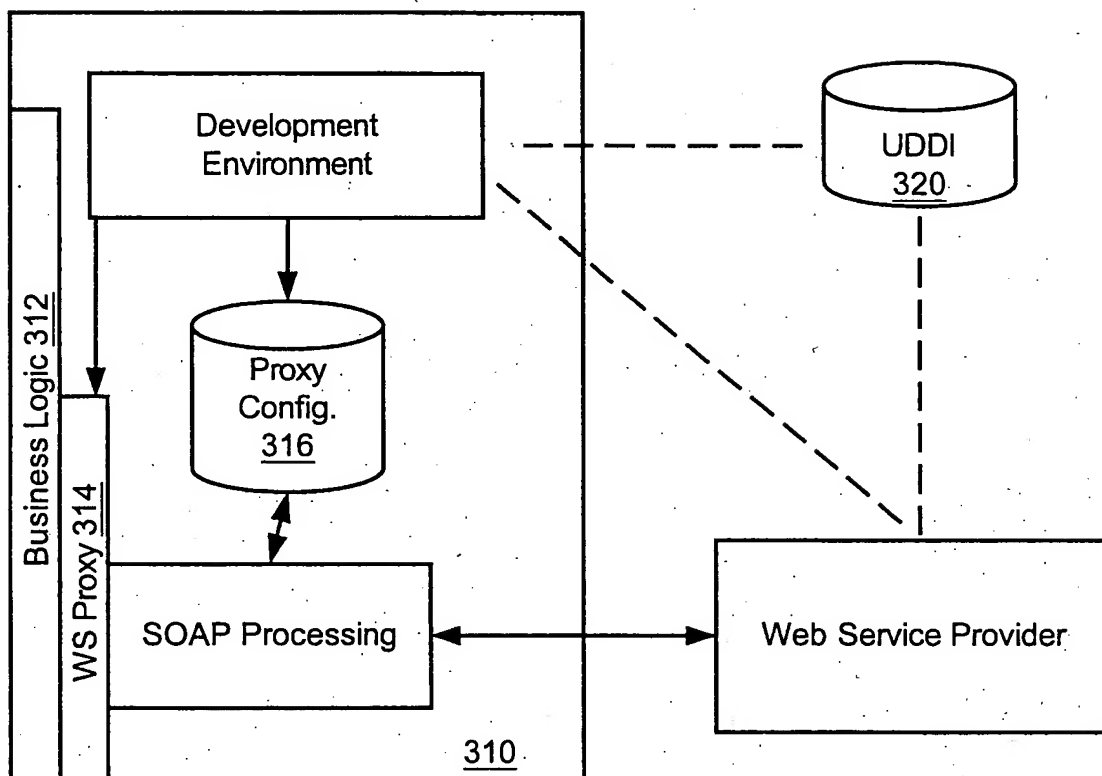


FIG. 3

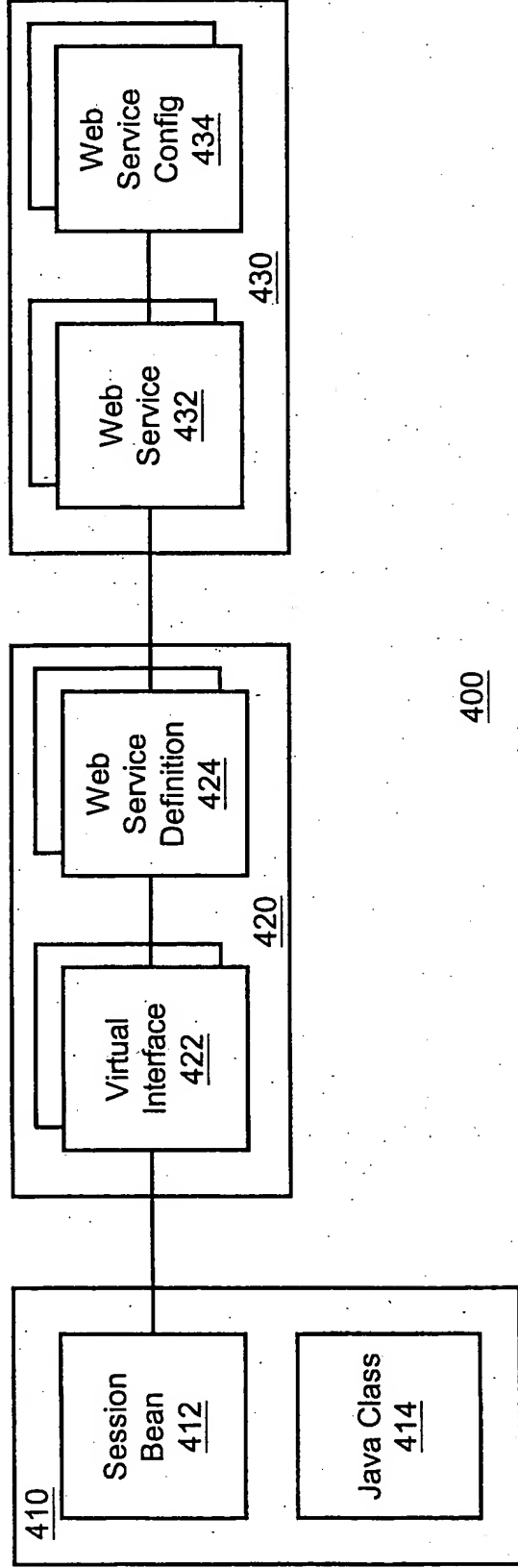


FIG. 4

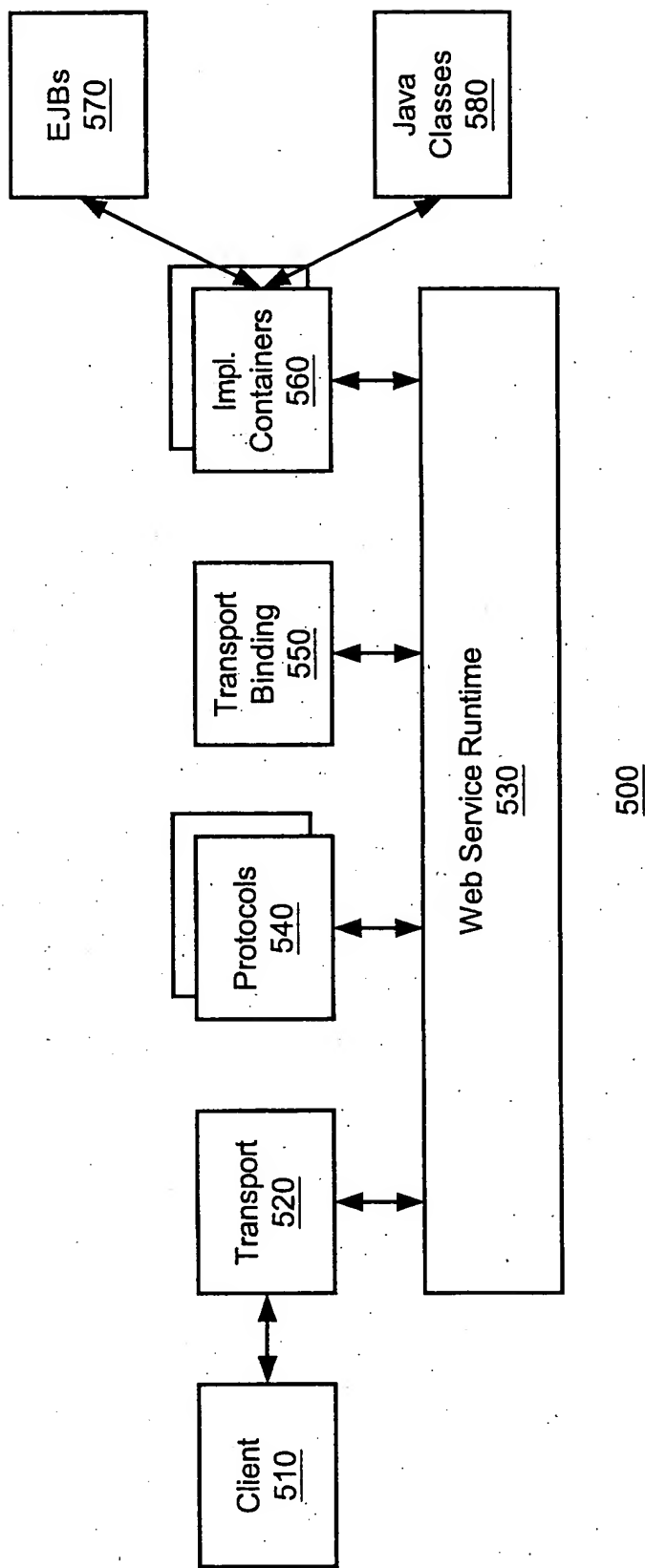


FIG. 5

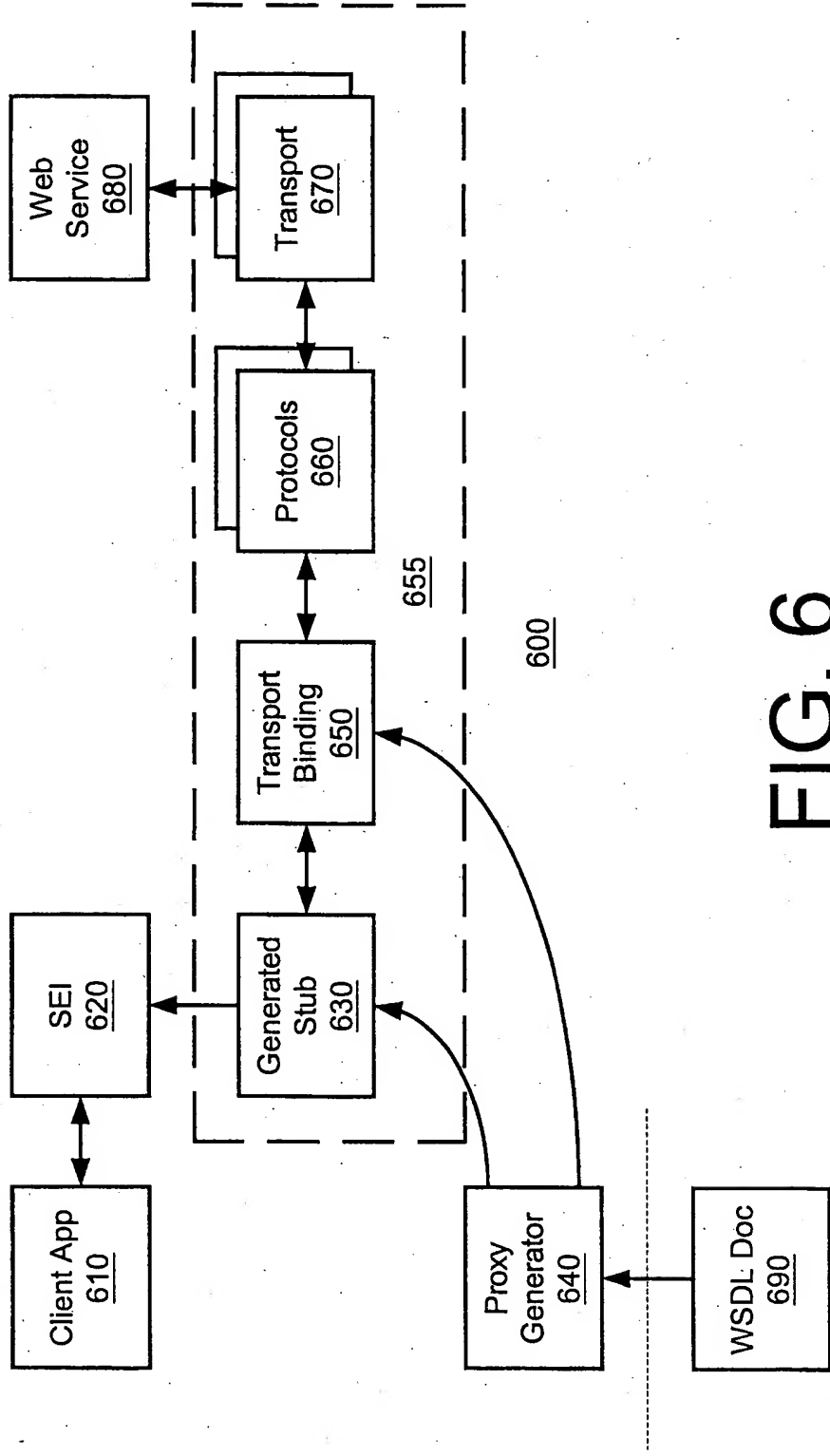


FIG. 6

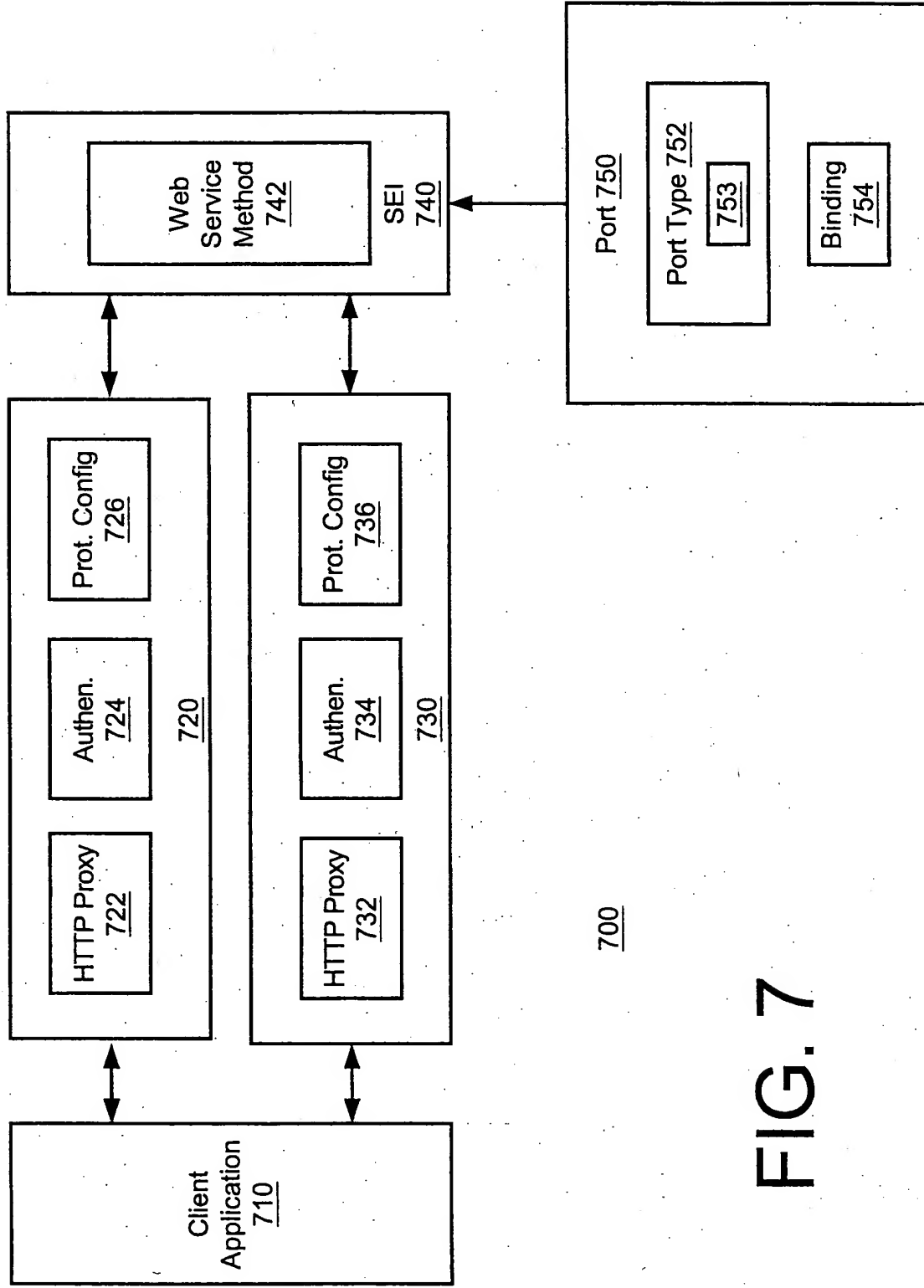


FIG. 7

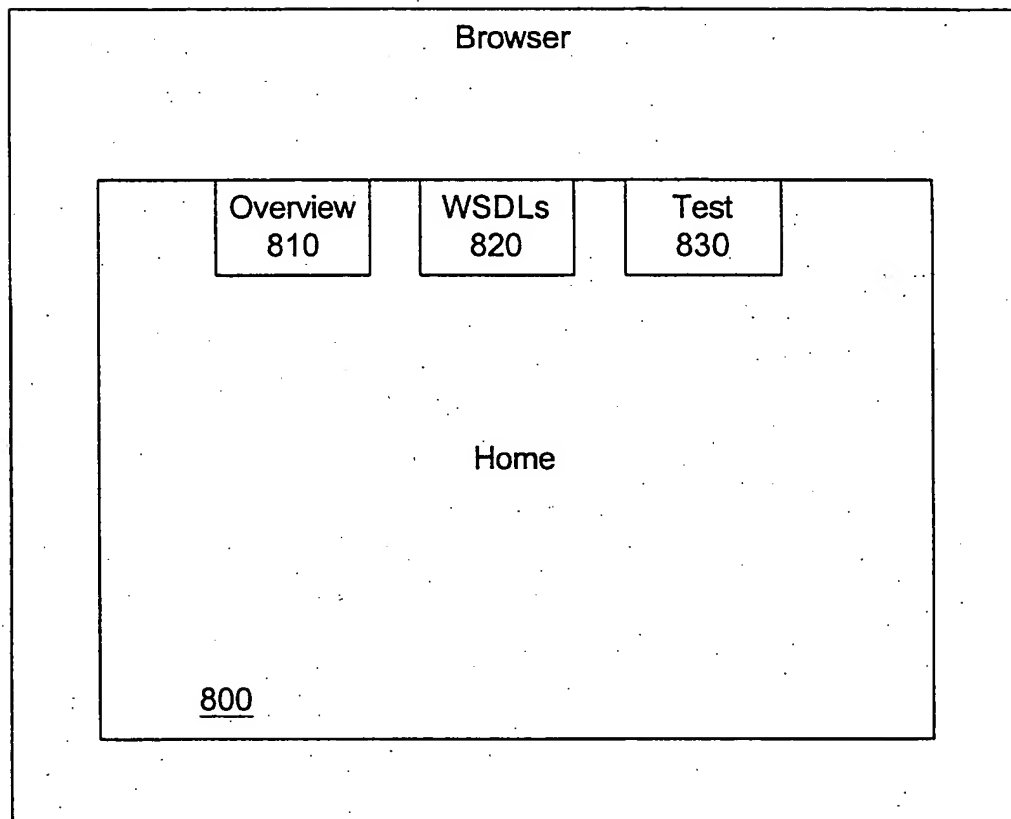


FIG. 8



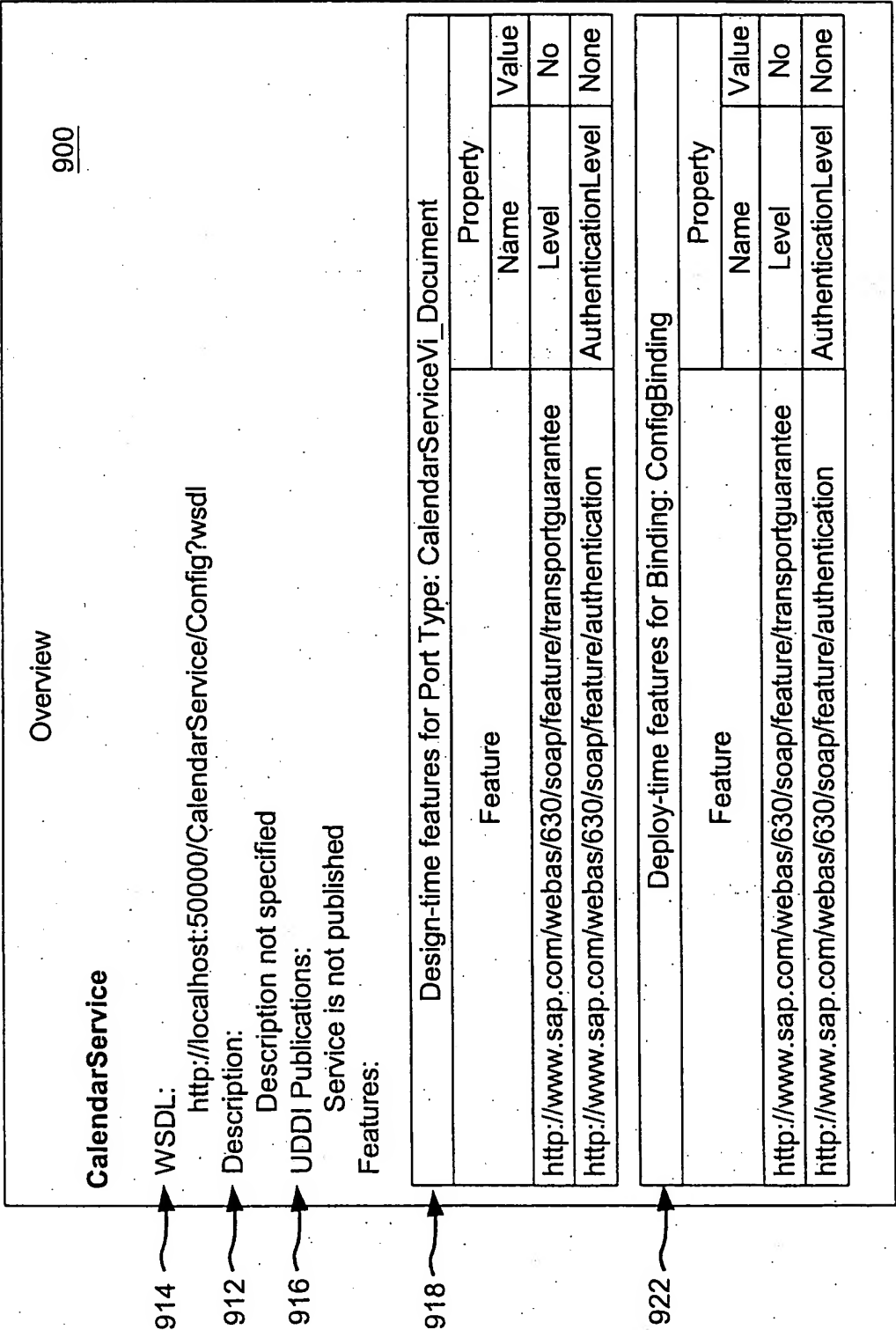


FIG. 9

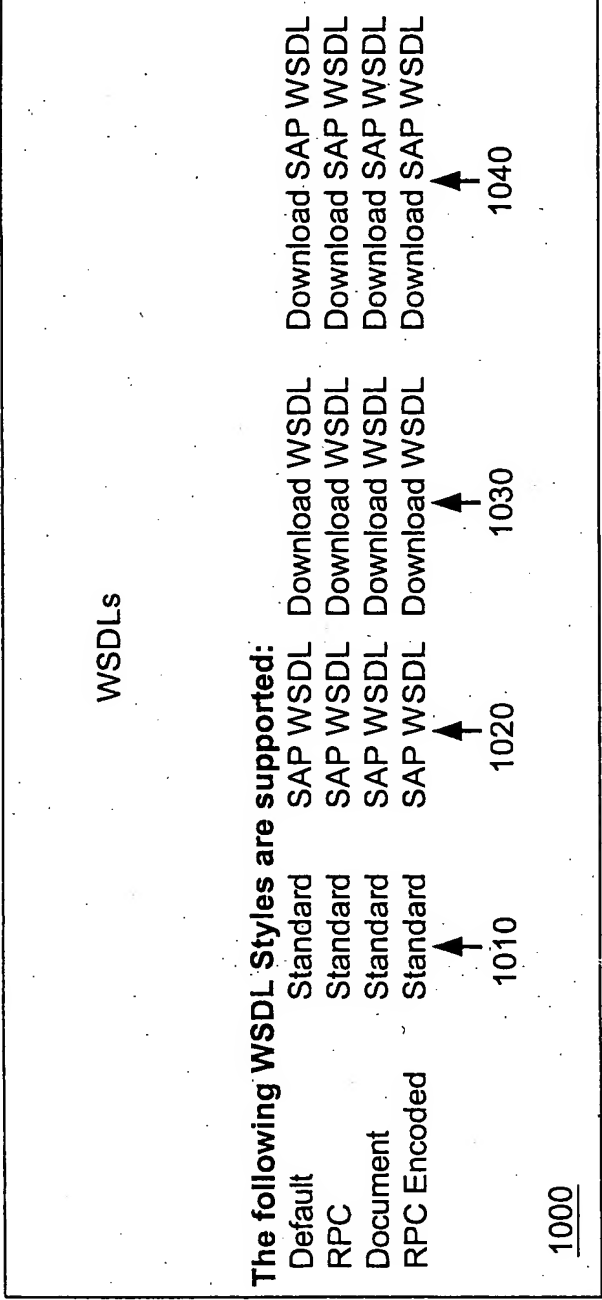


FIG. 10

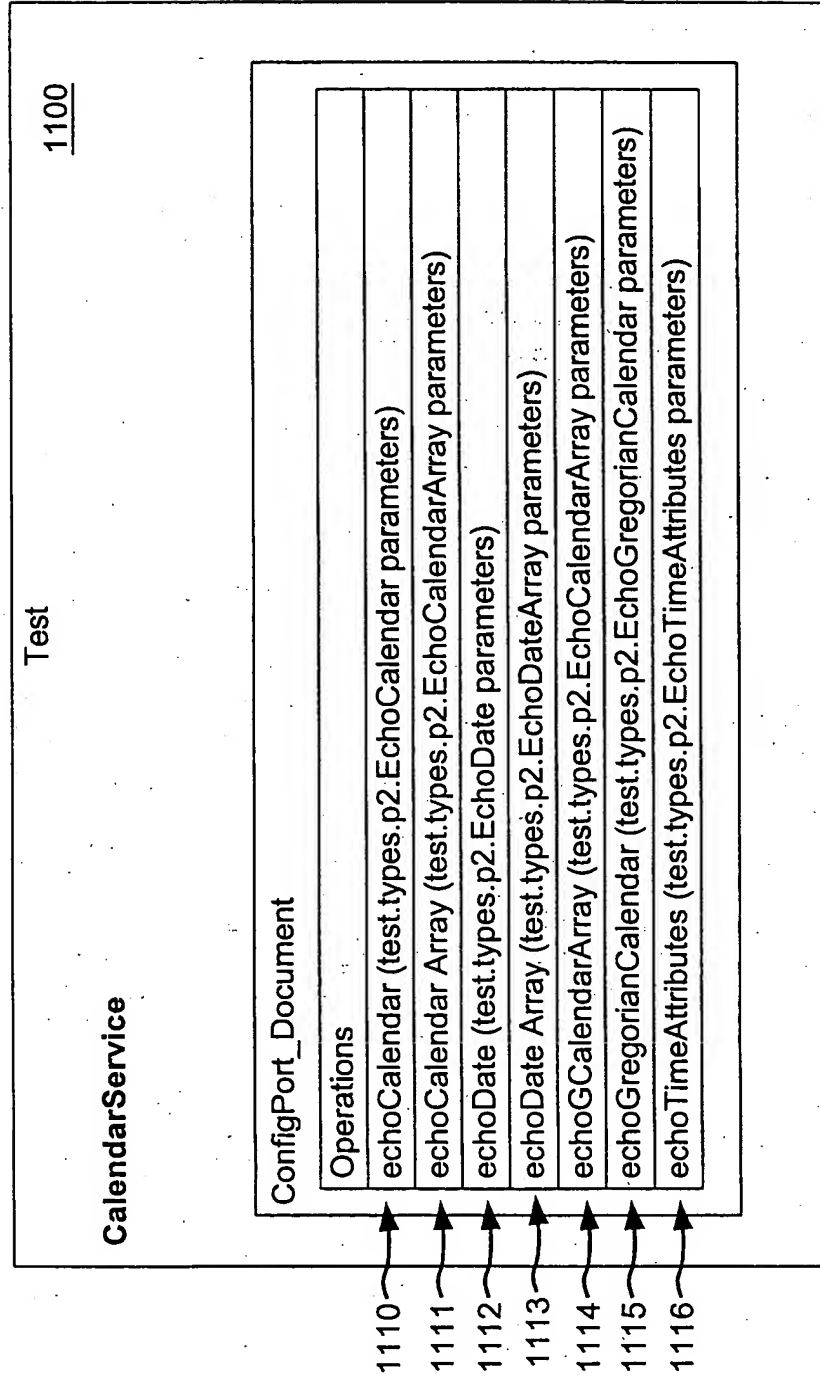


FIG. 11

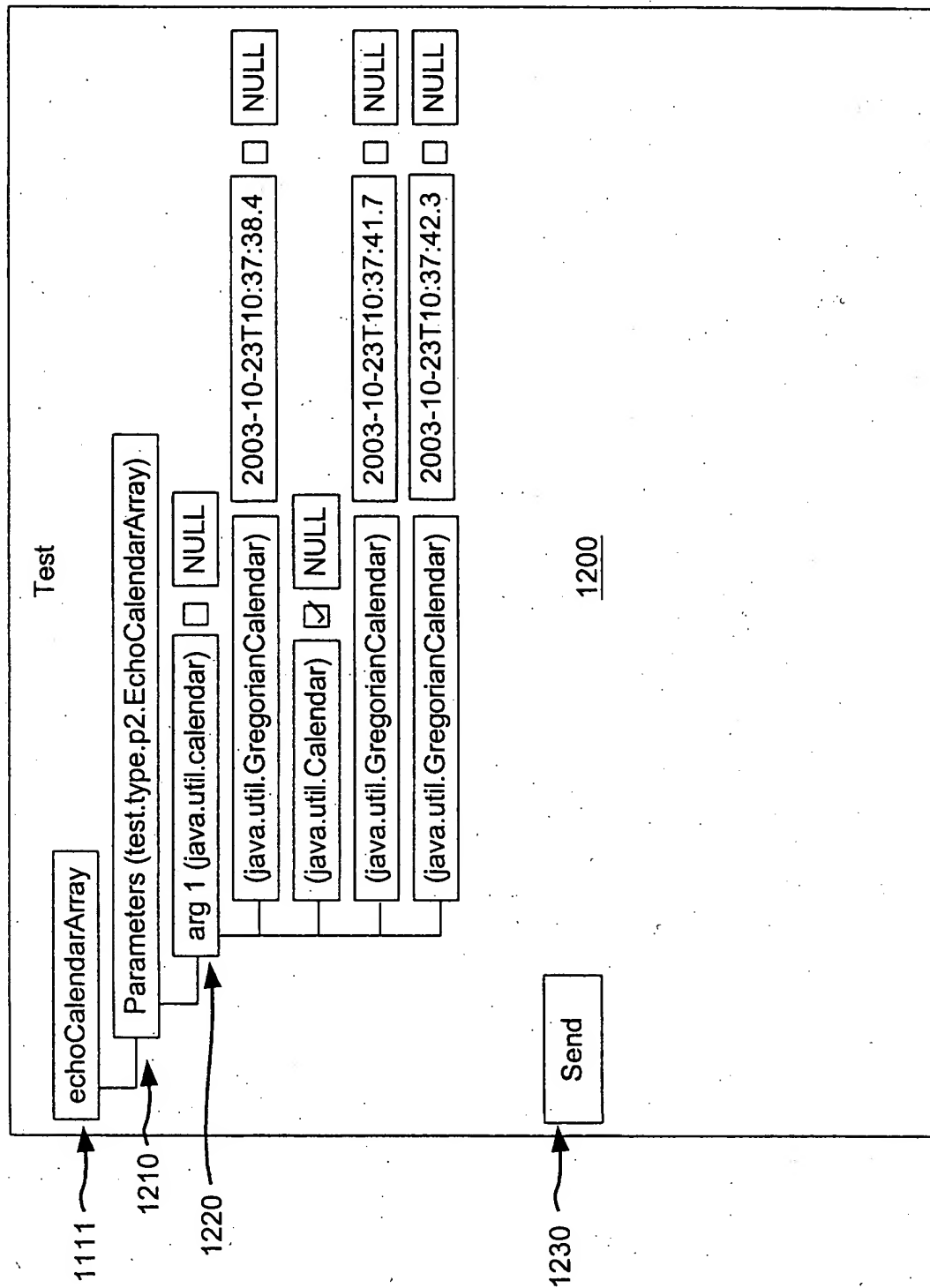
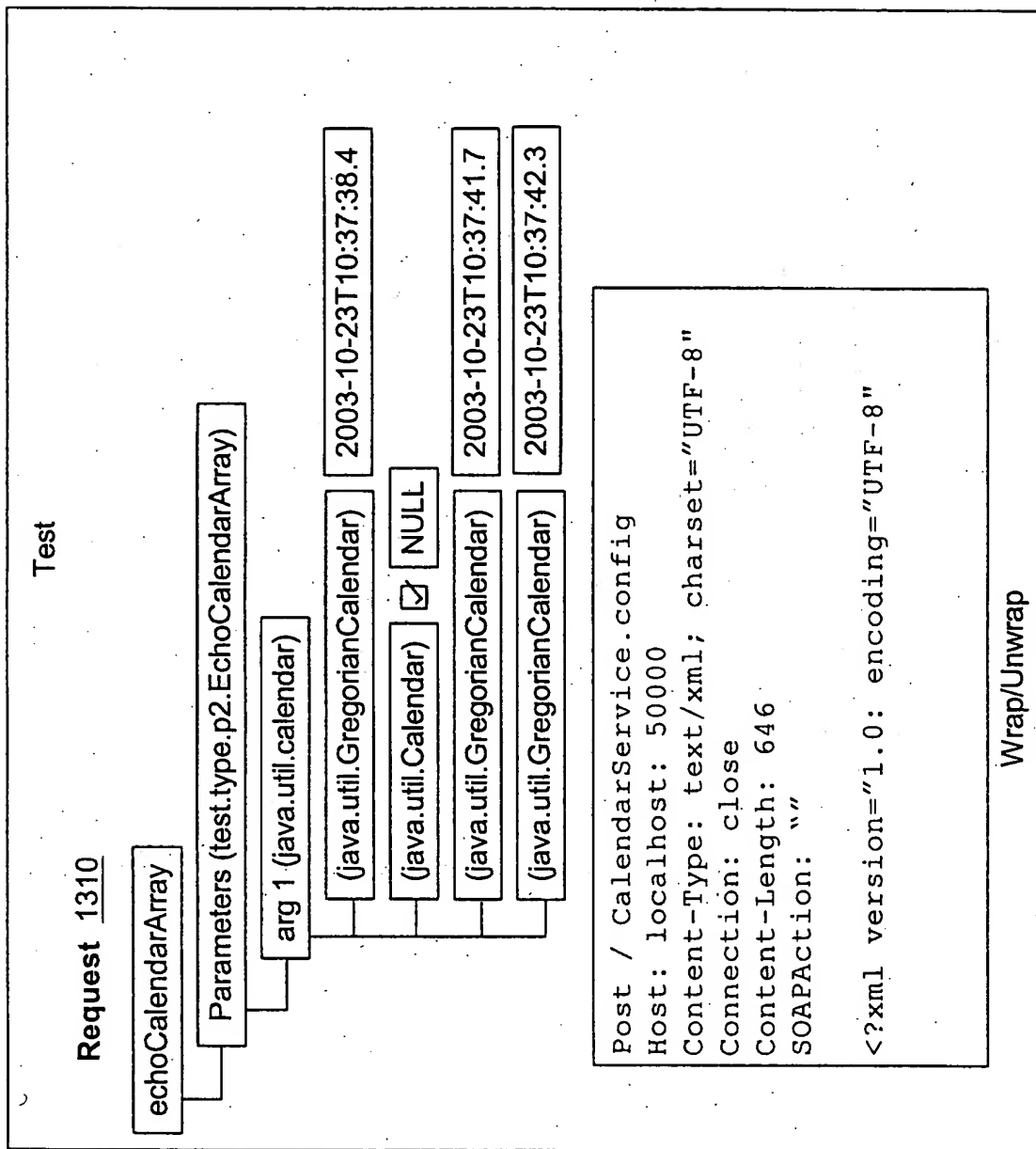


FIG. 12



**FIG. 13A**

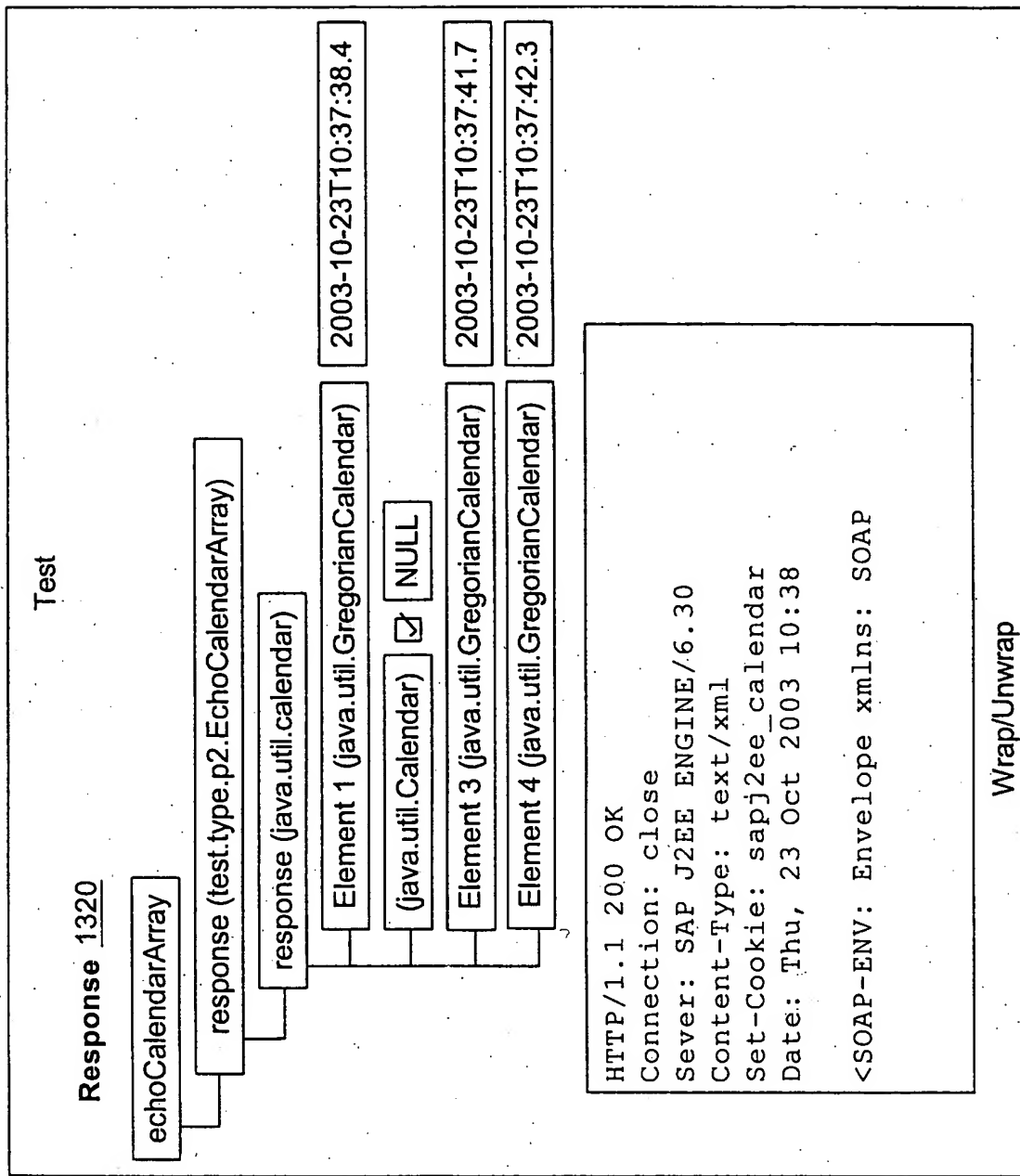


FIG. 13B

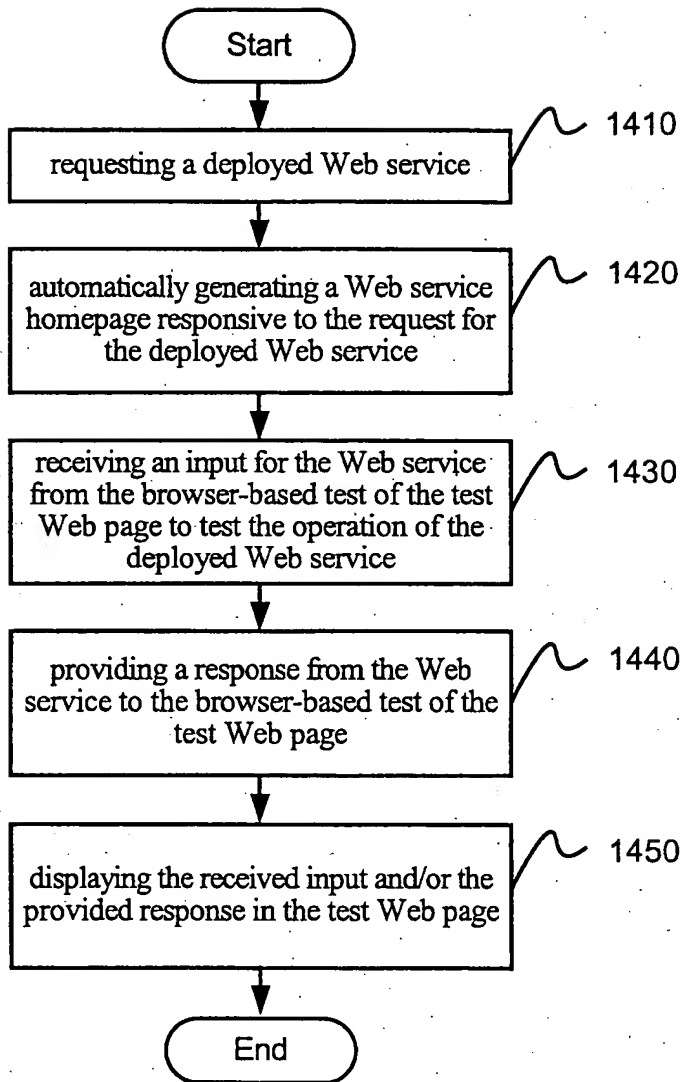


FIG. 14

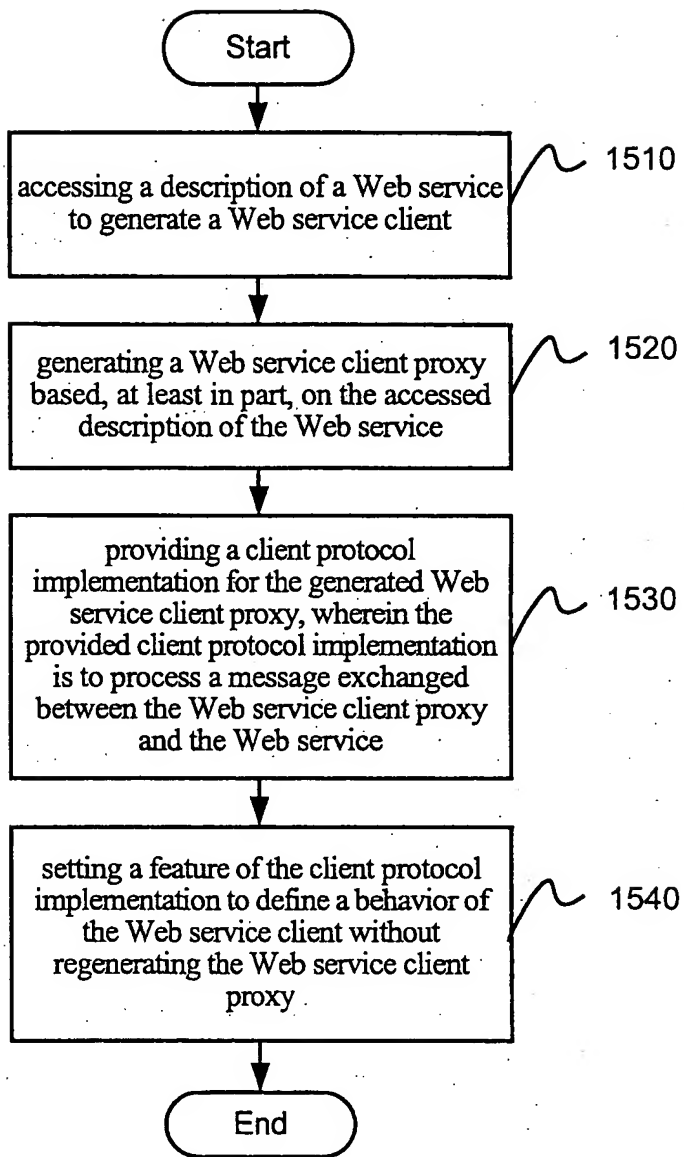


FIG. 15



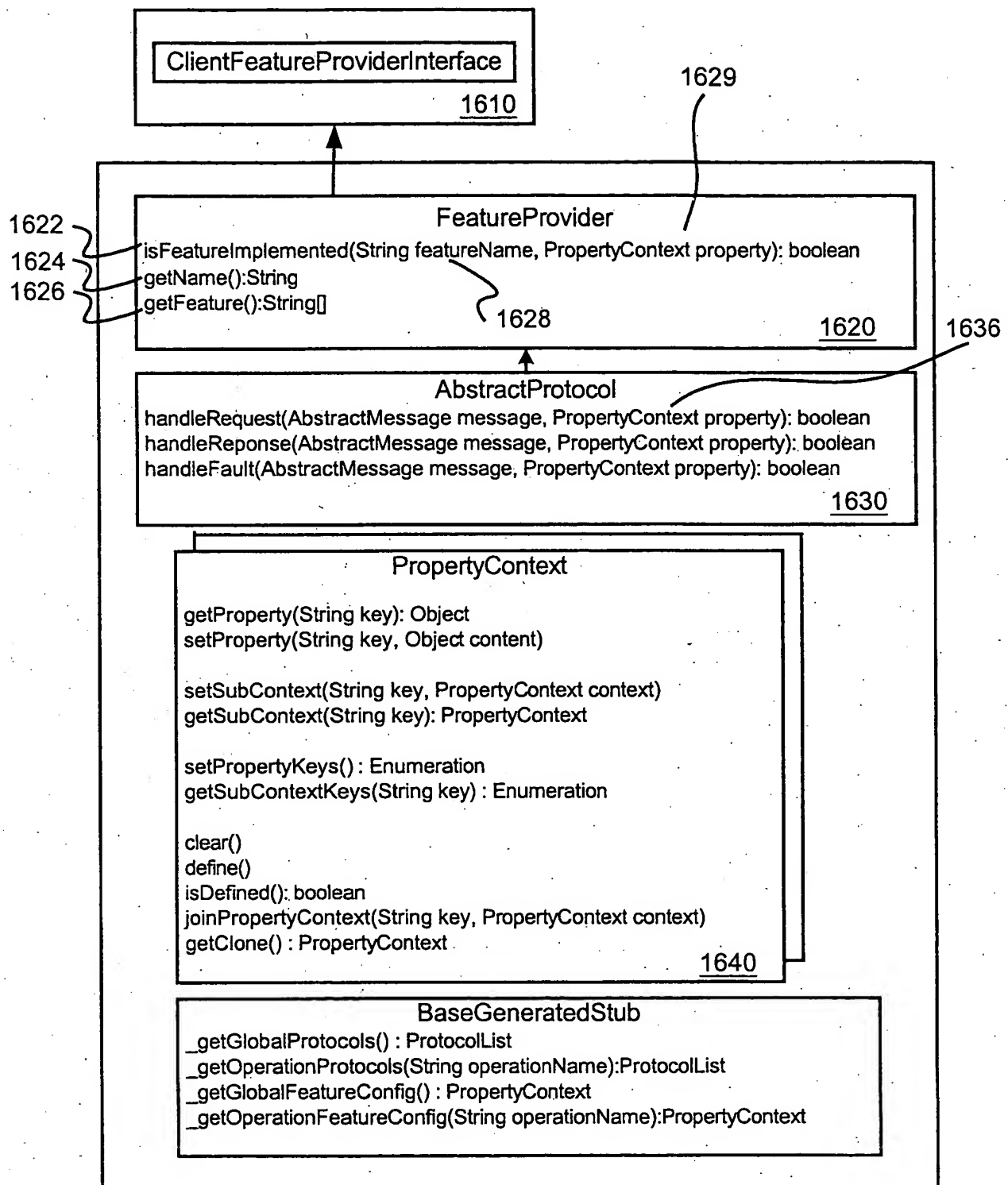


FIG. 16

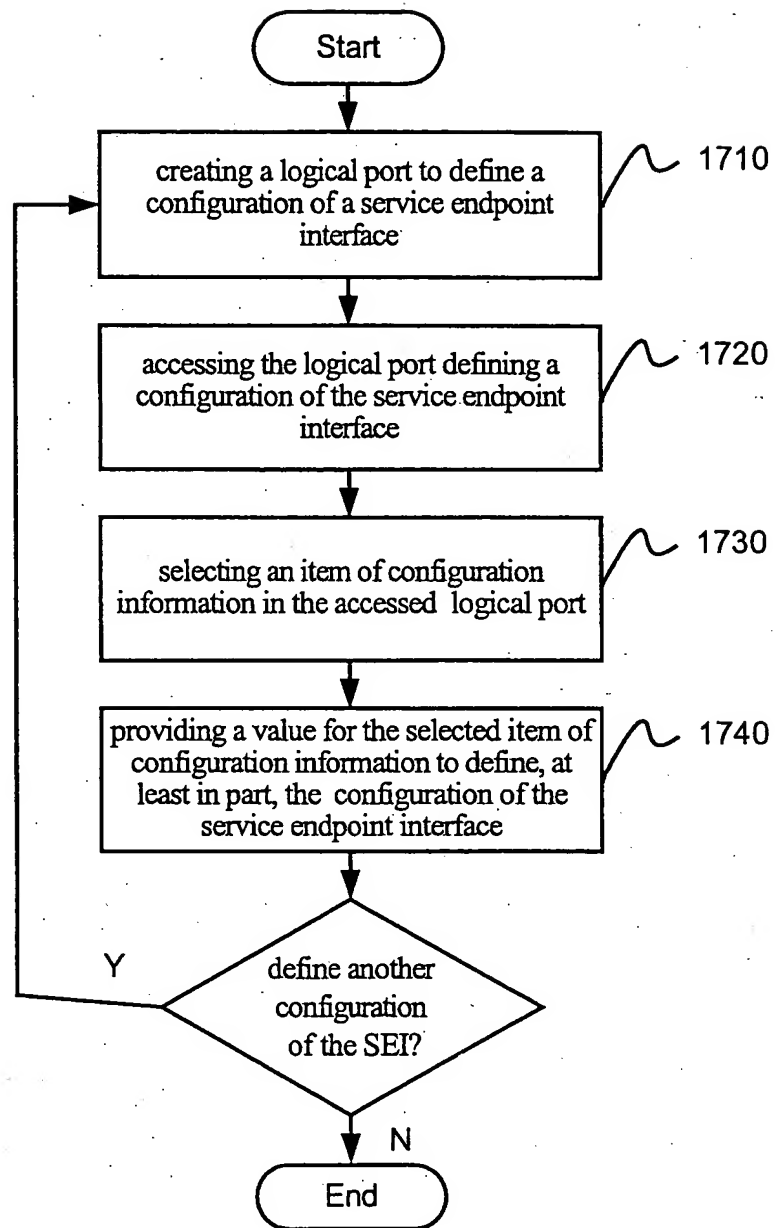


FIG. 17

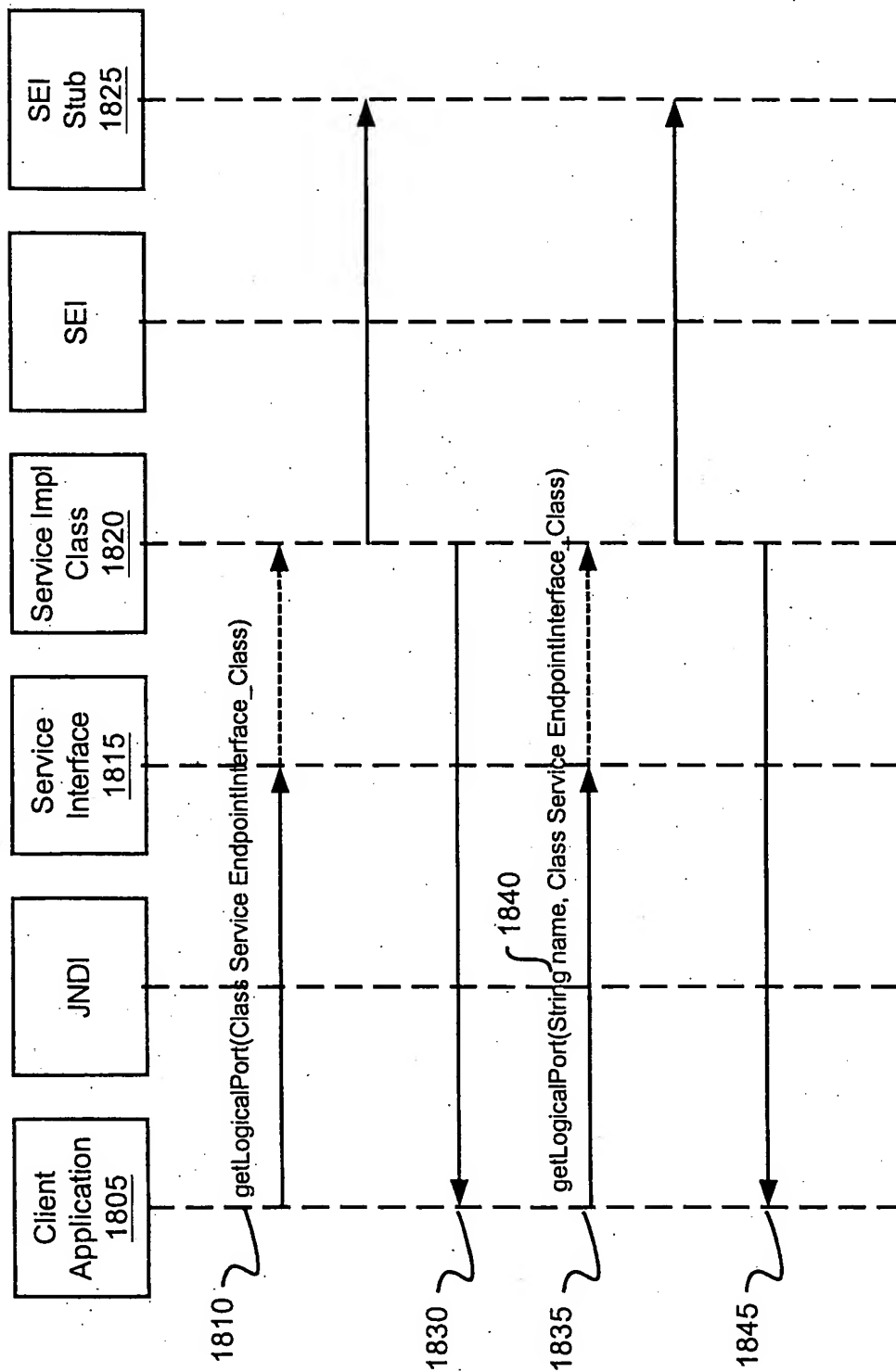


FIG. 18

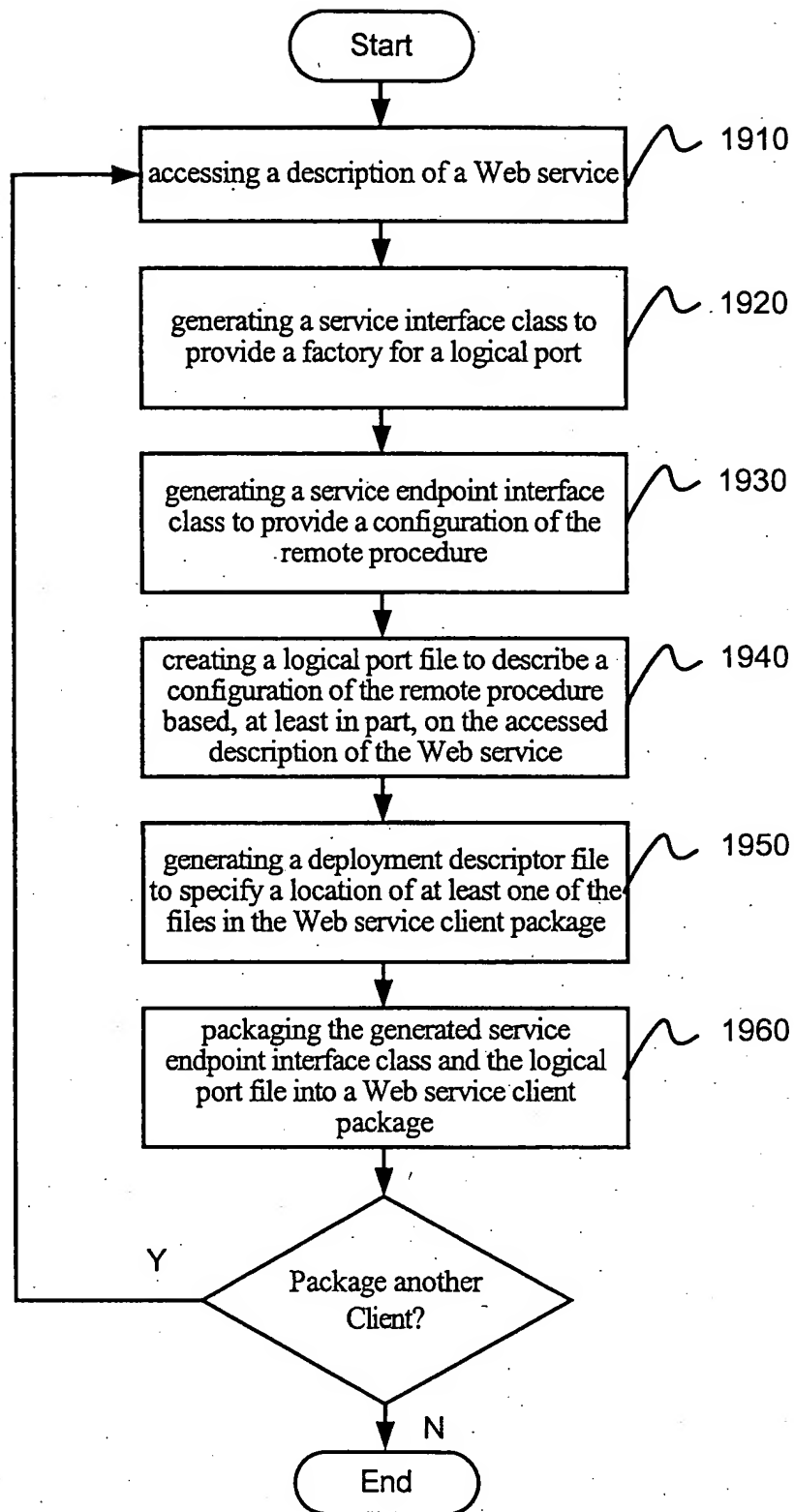


FIG. 19

```

//Source File Name: CalendarService.java

import com.sap.engine.services.webservices.jaxrpc.wsdl2java.lpapi.LogicalPortType;
import java.rmi.Remote;
import javax.xml.rpc.Service;
import javax.xml.rpc.ServiceException;

public interface CalendarService
    extends Service
{
    public abstract CalendarServiceViDocument getLogicalPort(String s)
        throws ServiceException;

    public abstract CalendarServiceViDocument getLogicalPort()
        throws ServiceException;

    public abstract Remote getLogicalPort(String s, Class class 1)
        throws ServiceException;

    public abstract Remote getLogicalPort(Class class 1)
        throws ServiceException;

    public abstract String[] getLogicalPortNames();

    public abstract LogicalPortType getLogicalPortConfigurations(String s);
}

2000

```

2010 {

2020 {

2030 {

2040 →

2050 →

2000

FIG. 20

```

//Source File Name: CalendarServiceViDocument.java

import java.rmi.Remote;
import java.rmi.RemoteException;
import java.util.Calendar;
import javax.xml.rpc.Stub;
import test.types.CalendarComplex;

public interface CalendarServiceViDocument
    extends Remote, Stub
{
    2120 → public abstract Calendar echoCalendar(Calendar calendar)
           throws RemoteException;

    2121 → public abstract Calendar[] echoCalendarArray(Calendar acalendar[])
           throws RemoteException;

    2122 → public abstract Calendar echoDate(Calendar calendar)
           throws RemoteException;

    2123 → public abstract Calendar[] echoDateArray(Calendar acalendar[])
           throws RemoteException;

    2124 → public abstract Calendar[] echoGCalendarArray(Calendar acalendar[])
           throws RemoteException;

    2125 → public abstract Calendar echoGregorianCalendar(Calendar calendar)
           throws RemoteException;

    2126 → public abstract CalendarComplex echoTimeAttributes(CalendarComplex calendarcomplex)
           throws RemoteException;

    }
    2100

```

FIG. 21

```

    <?xml version="1.0" encoding="utf-8"?>
2210 → <LogicalPorts Name='CalendarService'>
2220 →   <LogicalPort
2231 →       Name='CalendarServiceSoapPortrpc_enc'
2232 →       Endpoint='http://localhost:80/CalendarService/
CalendarServiceSoap?style=rpc_enc'
2233 →       BindingName='CalendarServiceSoapBinding'
2234 →       BindingUri='CalendarServiceSoapBinding'
       BindingImplementation='SOAP 1.1 HTTP Binding with
Attachments'
2235 →       StubName='Calendarservice.CalendarServiceSoapBinding_Stu
b'
2236 →       Default='false'>
       </LogicalPort>
    </LogicalPorts>

```

2200

FIG. 22

```
<?xml version="1.0" encoding="utf-8"?>
2310 → <ns1: ws-clients-deployment-descriptor version = "Ver. #" xmlns: ns1= "URI for
the namespace">
2320 →     <service-ref>
2331 →         <service-ref-name>test.Test</service-ref-name>
2332 →         <service-interface>test.CalendarService</service-interface>
2333 →         <package-name>test</package-name>
2334 →         <wsdl-file>wsdlroot_1_1_0.wsdl</wsdl-file>
2335 →         <logical-ports-file>lports_1.xml</logical-ports-file>
2336 →         <uri-mapping-file>mappings_1_1.properties</uri-mapping-file>
2337 →         <package-mapping-file>package_mapping_1.properties</package-
mapping-mapping-file>
        </service-ref>
    </ns1: ws-clients-deployment-descriptor>
```

2300

FIG. 23



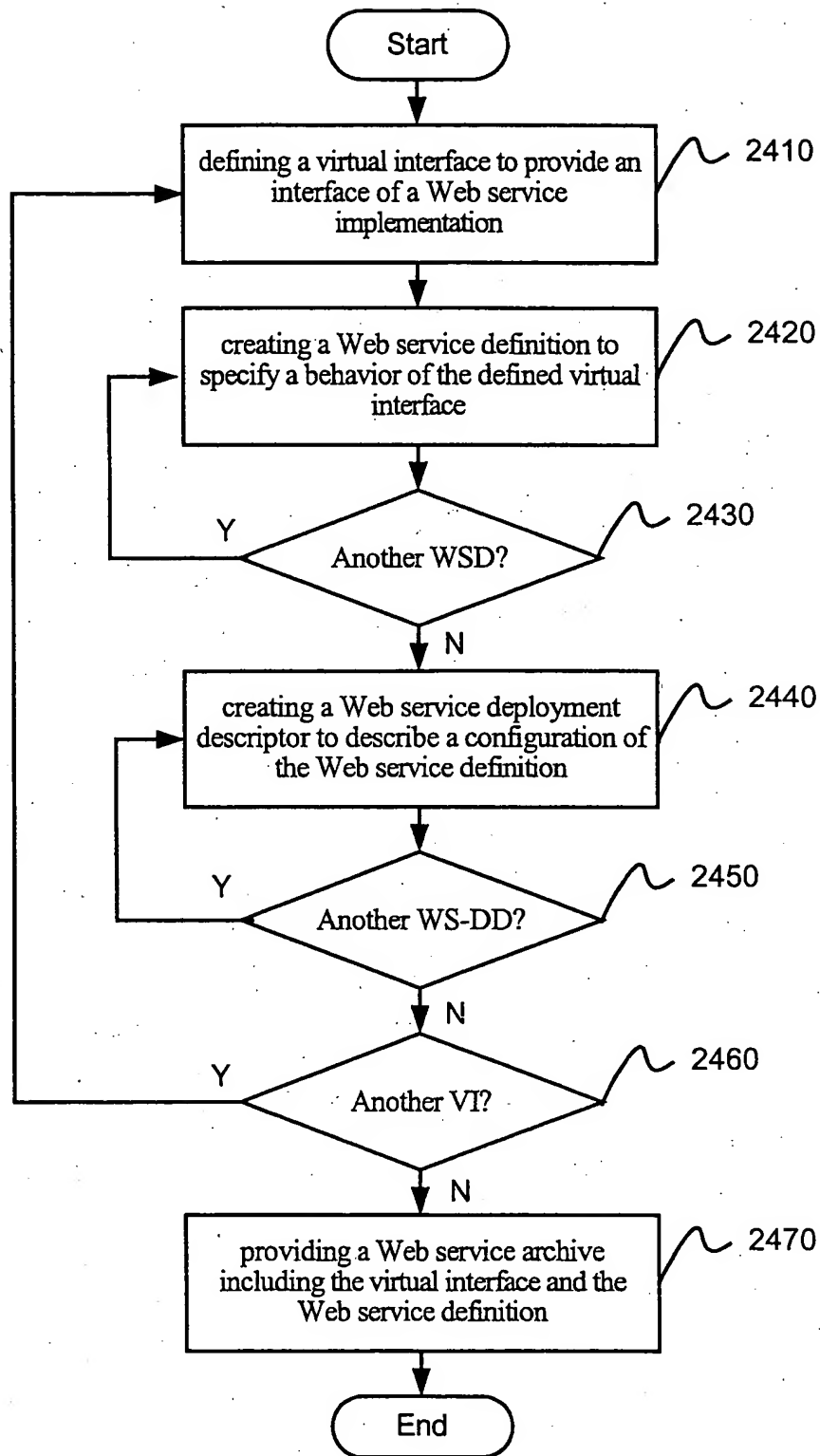


FIG. 24

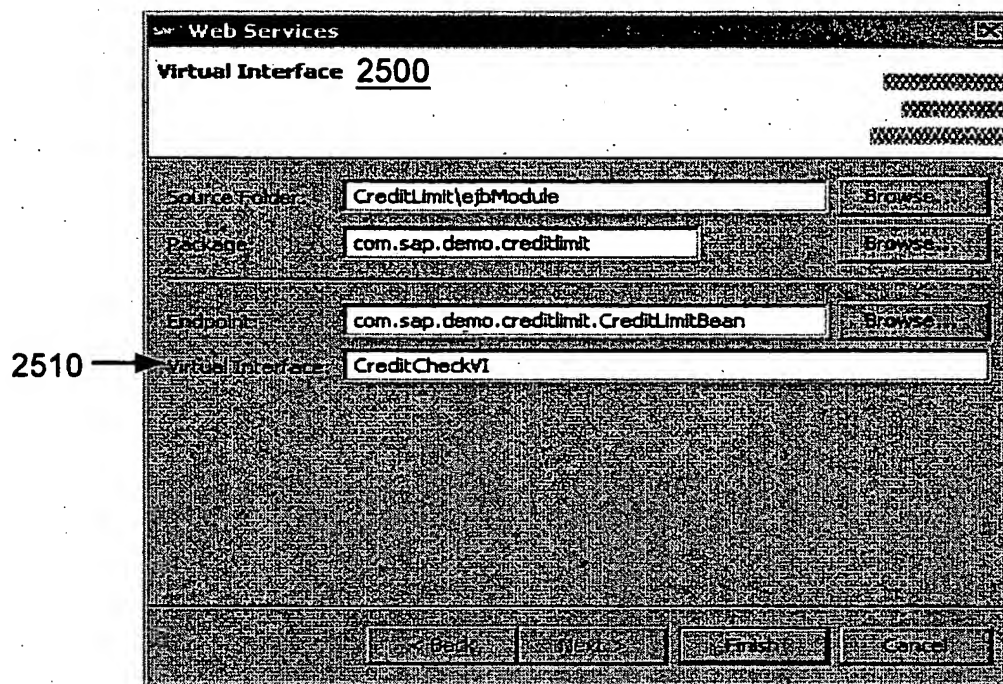


FIG. 25A

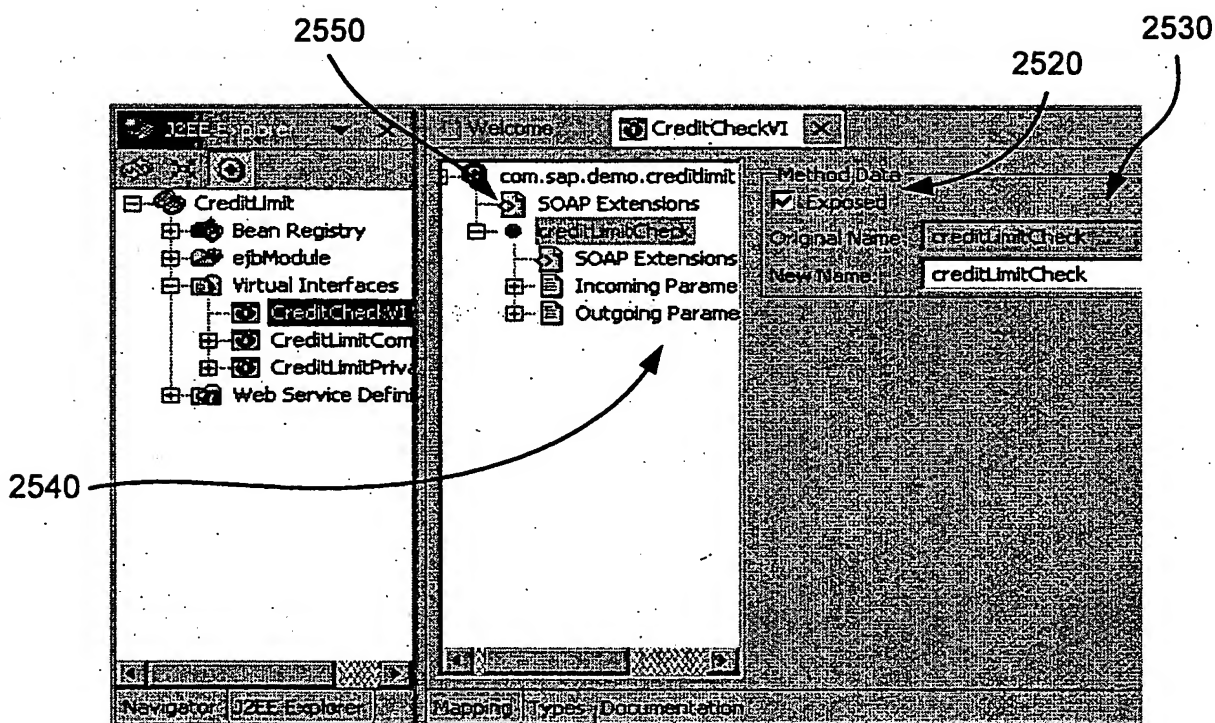


FIG. 25B

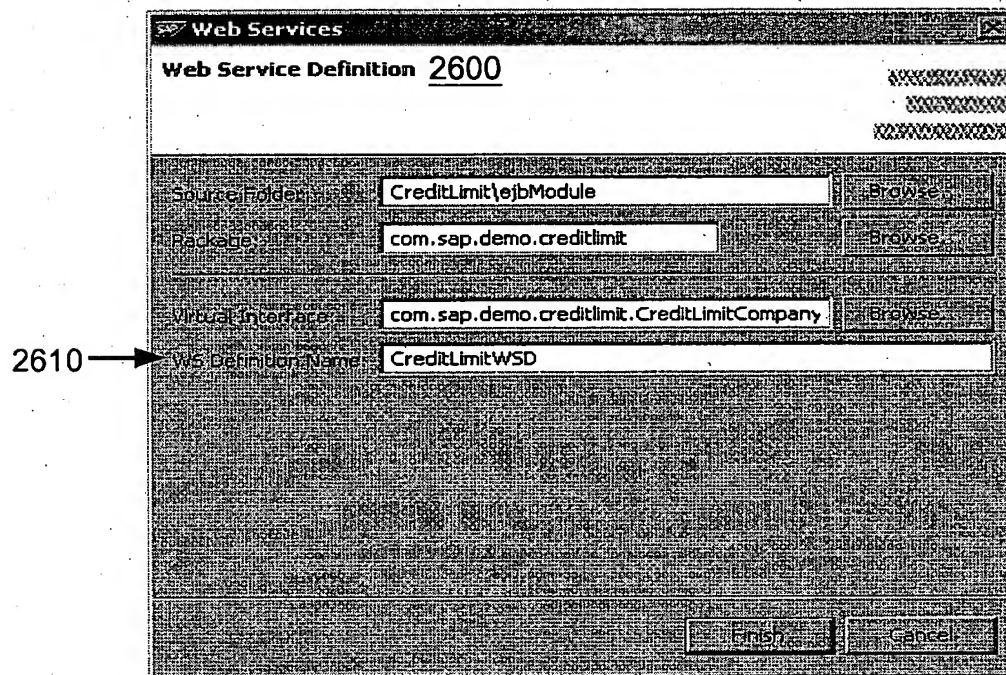


FIG. 26A

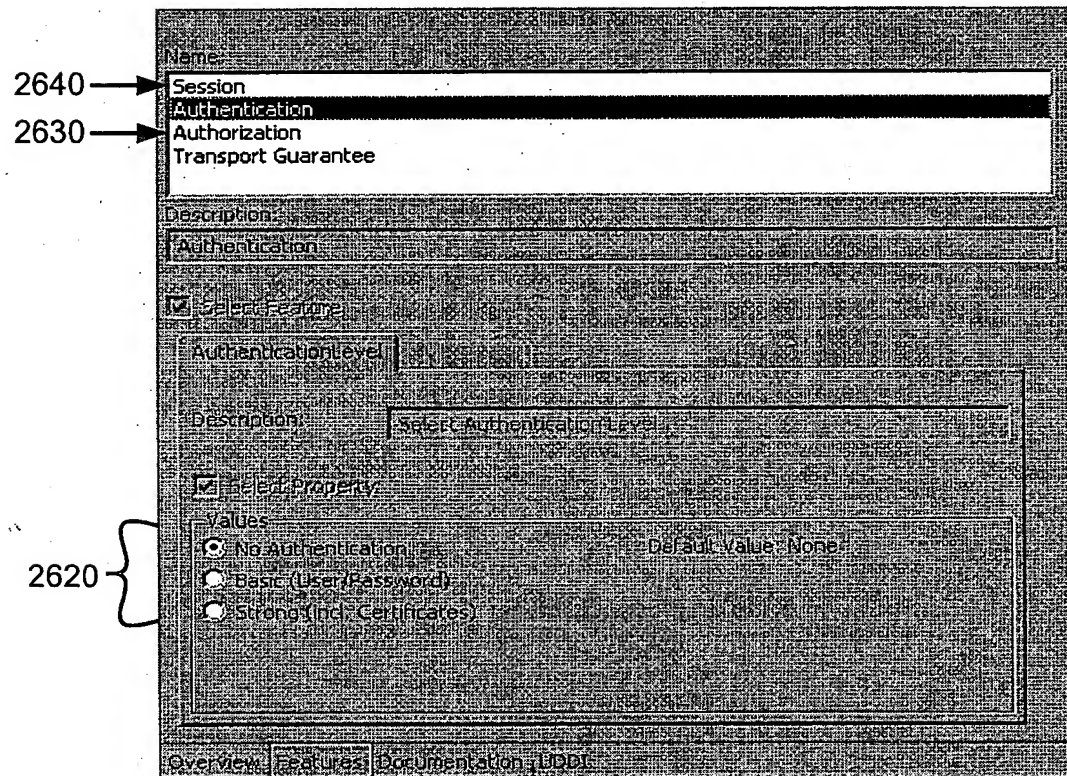


FIG. 26B

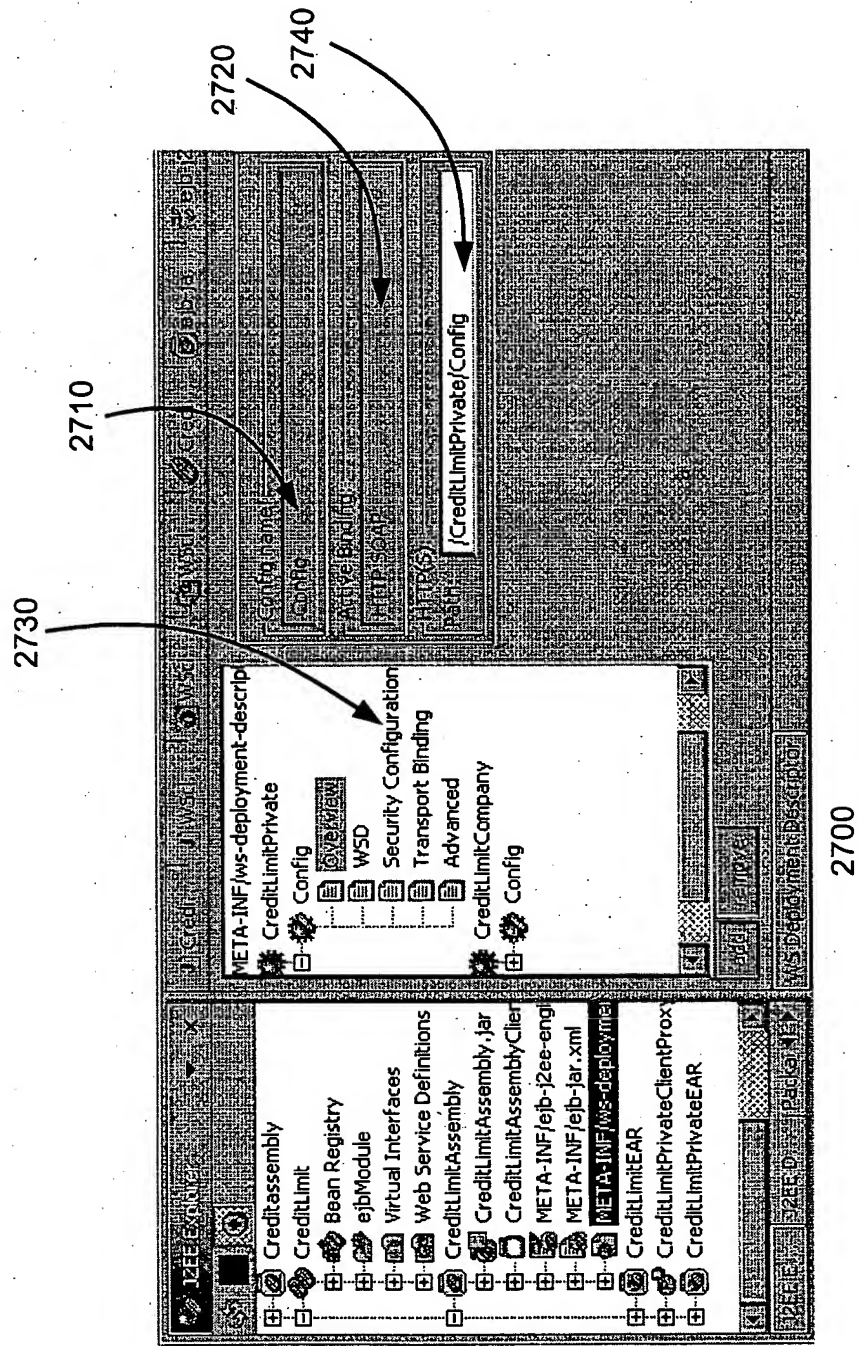


FIG. 27

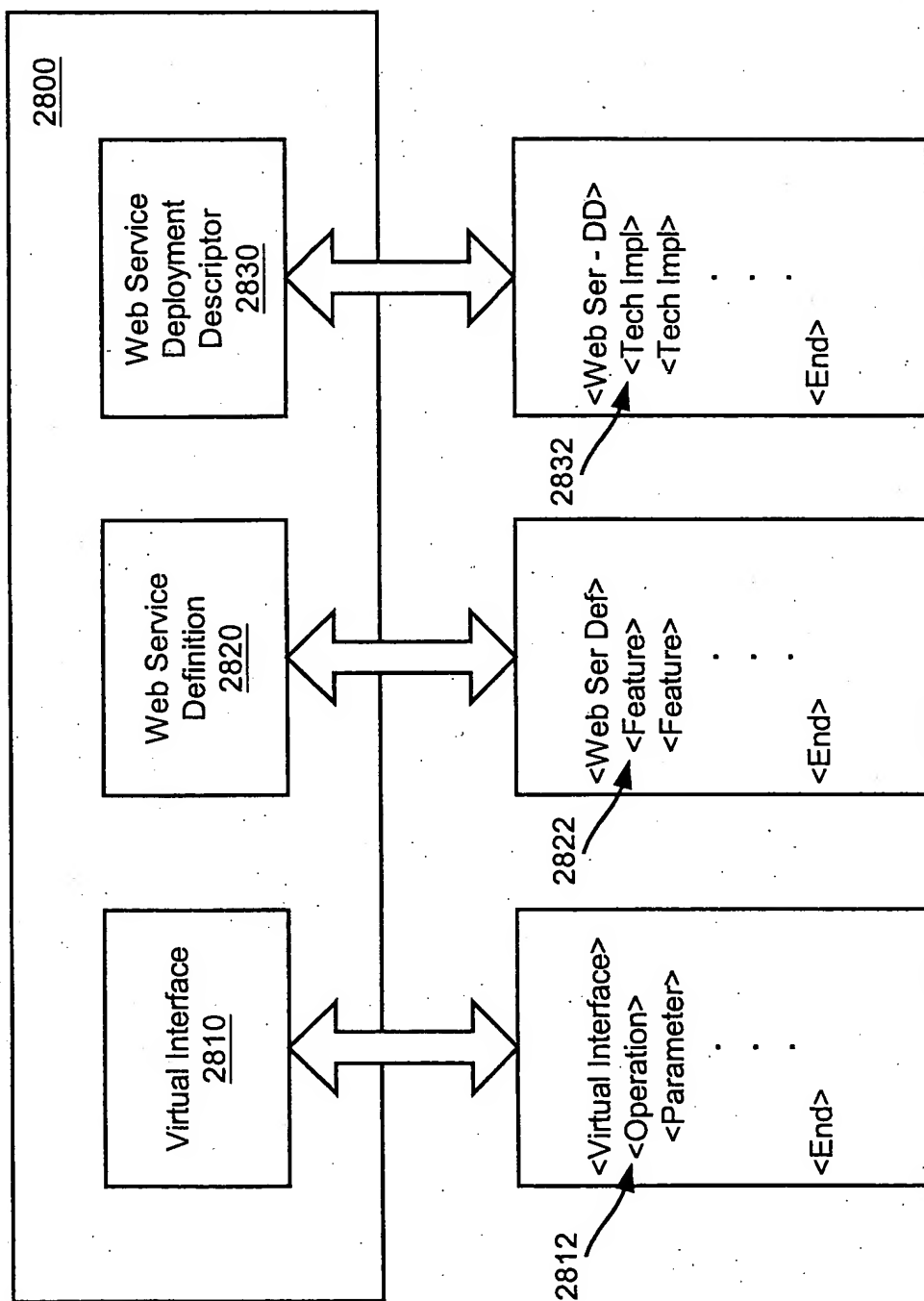


FIG. 28

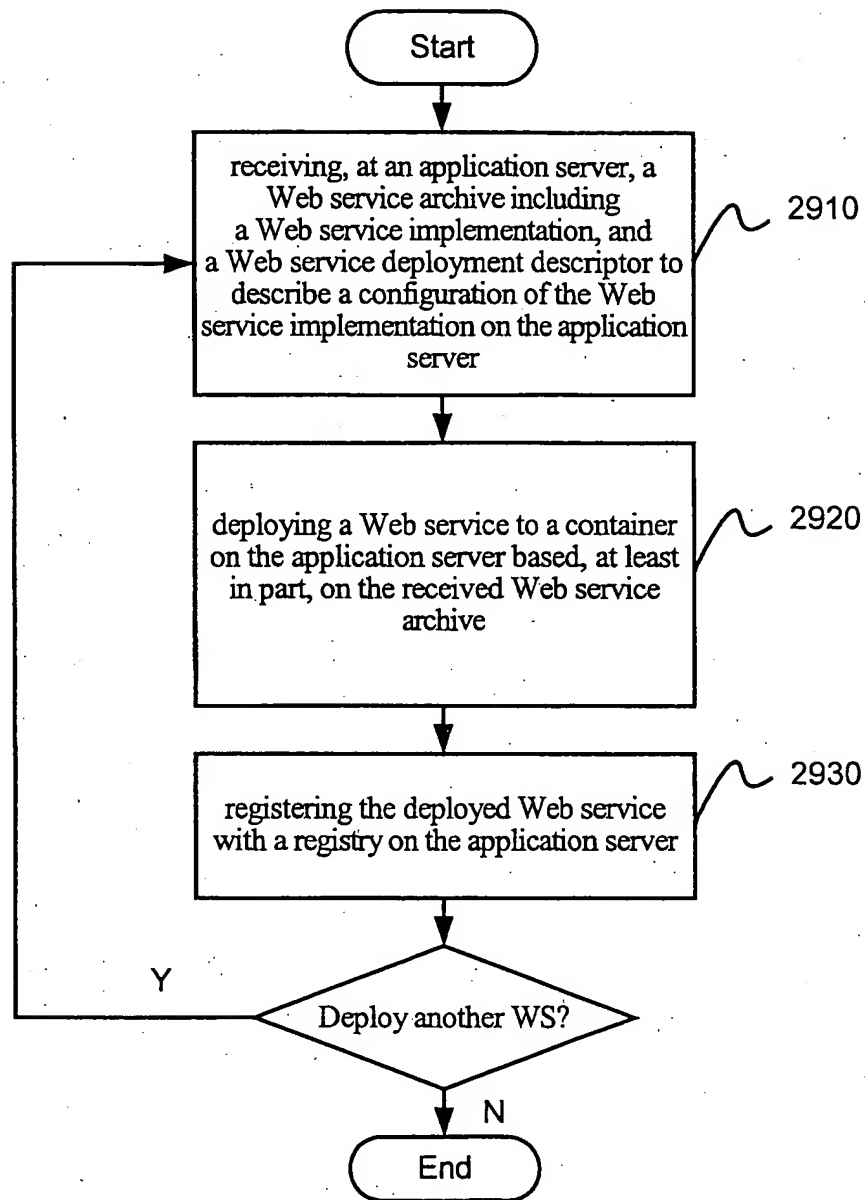


FIG. 29

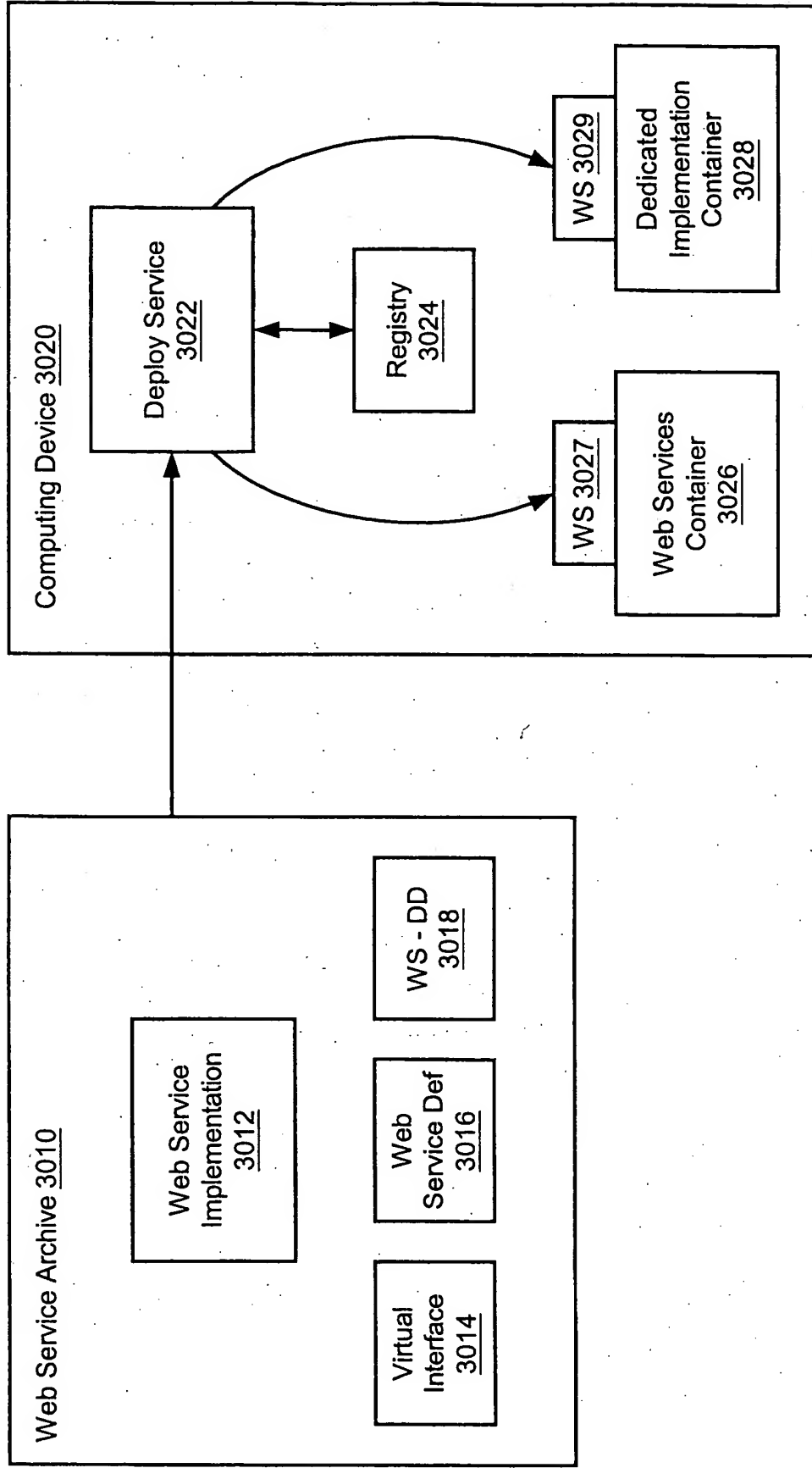


FIG. 30

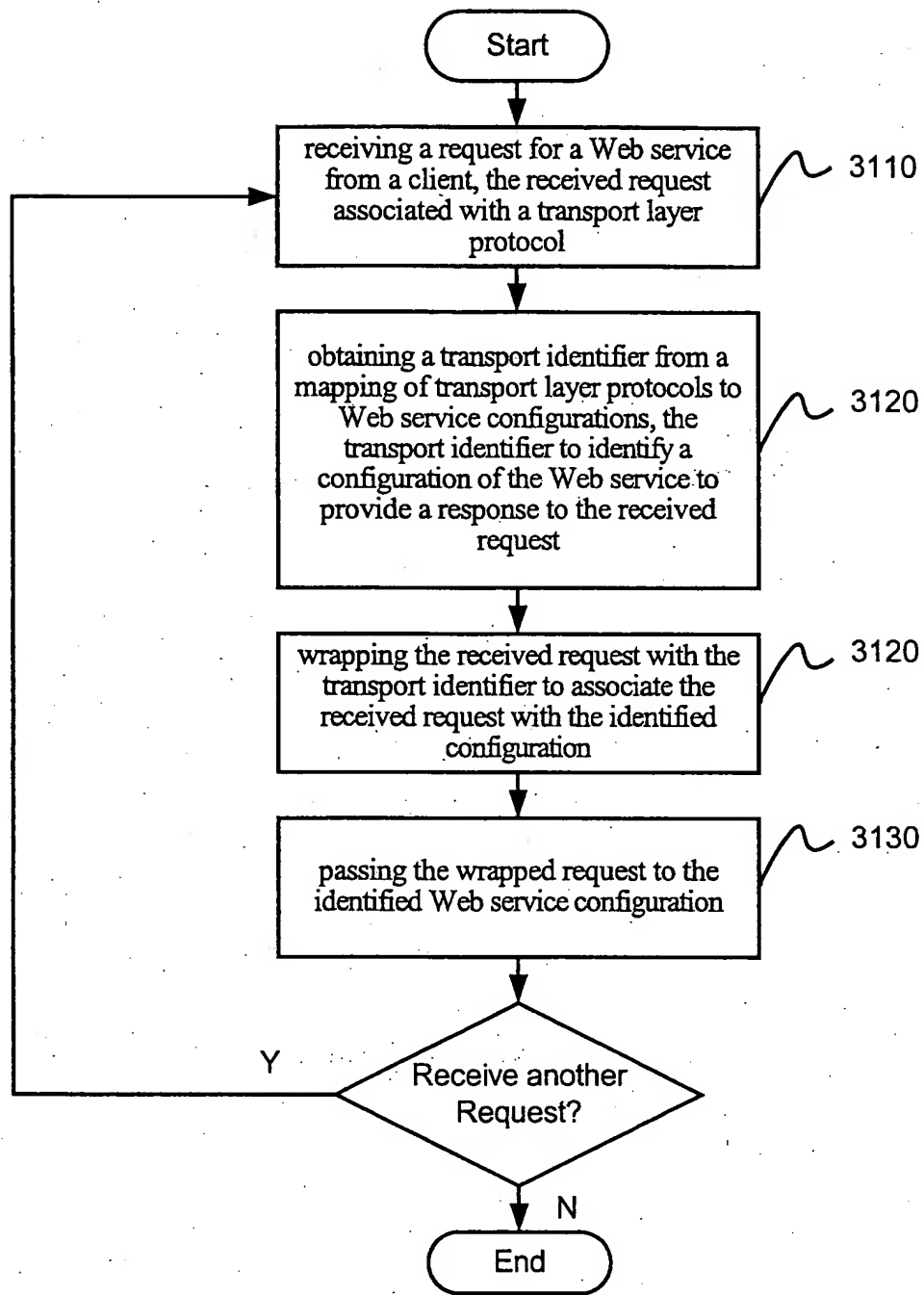


FIG. 31



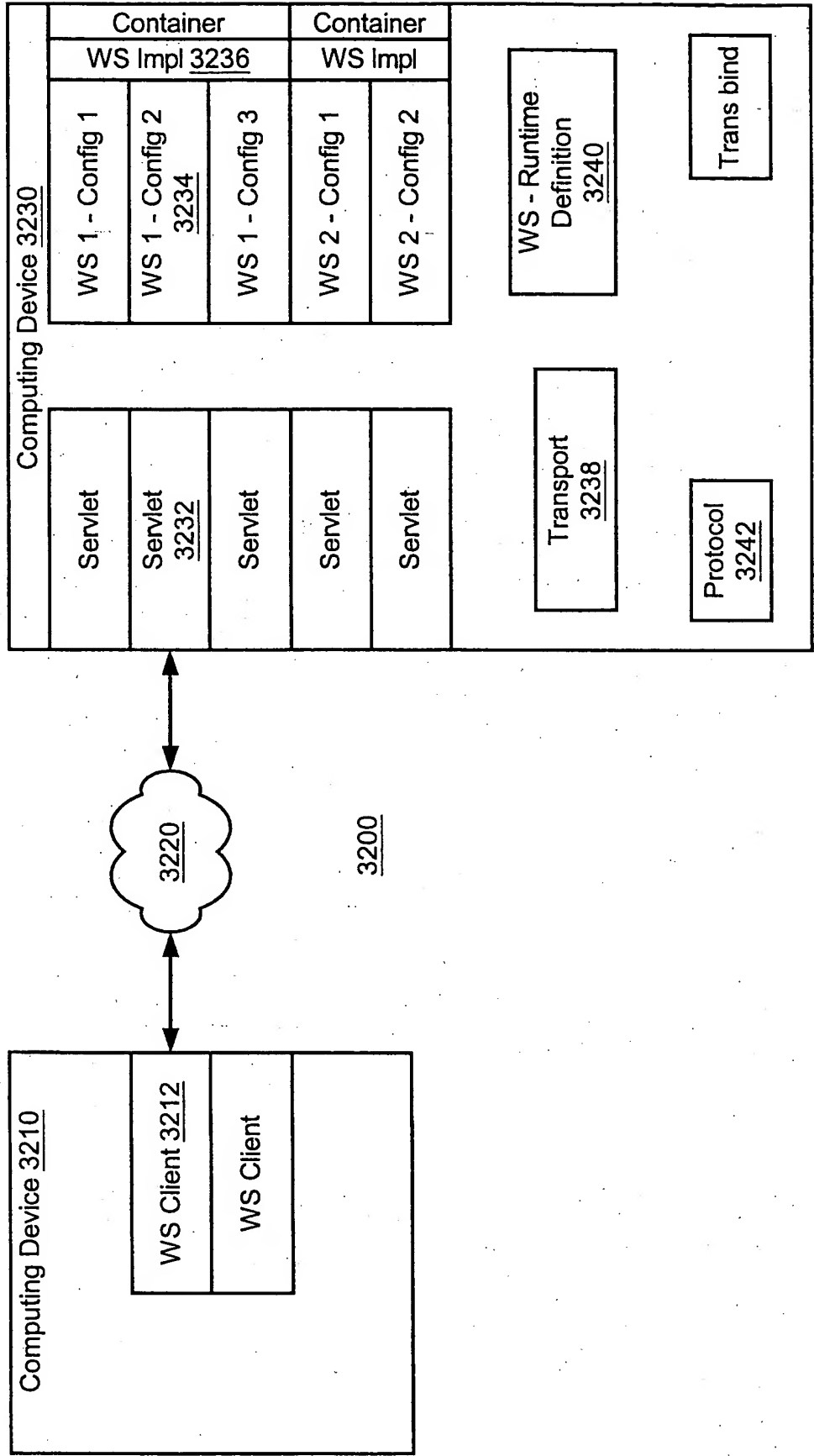


FIG. 32

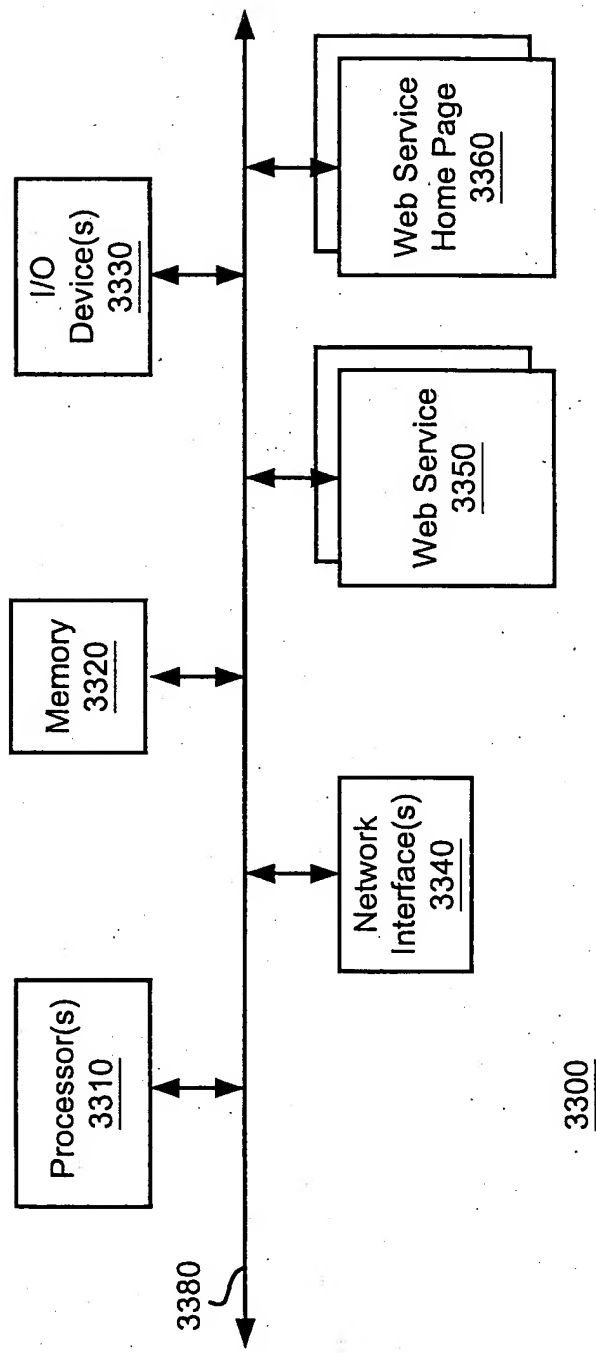


FIG. 33